

**Module:** Solving Equations  
**Lesson:** Solving Equations with  
Addition and Subtraction

Name:  
Date:  
Period:

**Homework: Solve each equation. Then check your solution.**

1.  $k + 11 = -21$

$$\begin{array}{r} k + 11 = -21 \\ -11 \quad -11 \\ \hline \end{array}$$

2.  $-12 + z = -36$

$$k = -32$$

3.  $-7 = -16 - k$

4.  $r + (-8) = 7$

5.  $-23 = -19 + n$

6.  $r - 6.5 = -9.3$

7.  $-1.43 + w = 0.89$

8.  $-4.1 = m + (-0.5)$

9.  $x - \left(-\frac{5}{6}\right) = \frac{2}{3}$

**Define a variable, write an equation, and solve each problem.**

10. Twenty-three minus a number is 42. Find the number.

11. What number decreased by 45 is -78?

12. A number increased by -45 is 77. Find the number.